



Bharatiya Vidya Bhavan's Atmakuri Rama Rao School

Road No. 45 (End), Jubilee Hills, Hyderabad - 500 033

Holiday Homework (2025 - 26)

Class X

Subject - English

- **Activity 1 -**

Attempt a character portrayal of the Frog and the Nightingale on the basis of your reading of the poem - The Frog and the Nightingale and also the character sketch of Nochola and Jacopo from the lesson -Two Gentlemen of Verona

- **Activity 2-** Write about any two poets of your choice from the reader - Literature Reader

ImPLY the following points -

1. General information about the poet - cover various aspects of his/her life like life and education.
2. Time period the Poet belonged to and other famous poets of the era.
3. Highlight his/her contribution to the literature world.
4. Achievements of the poet.

Note- Relevant pictures may be included on a colourful A4

Subject - Mathematics

Dear Students,

Mathematics Holiday HW consists of three parts: Part A, Part B & part C.

- Part A - Activities,
- Part B - Project
- Part C - worksheets
- **Part A:**

Following record activities need to be done neatly and colorfully as mentioned in the record book. Follow the given instructions carefully and use the required material.

Activity book link:

https://drive.google.com/file/d/106zd4jwNnmMlrcBcdA05MXZsPTH74rAK/view?usp=share_link

| Activity No. |
|--------------|
| 2 |
| 3 |
| 5 |
| 6 |
| 10 |

Your activity should contain:

- Name of the topic
- Objective
- Materials required
- Procedure
- Observation
- Calculation/remark

- **Part B:**

The following project needs to be done on a Chart paper/A4 sheet.

- Investigate the various historical concepts of the number pi
- Write about any five History of the great mathematicians and their contribution.(
Choose Mathematicians class x chapter related)

- **Part C:**

Complete the chapter 1 worksheet in the HW book.

Subject - Science

I. Write the following experiments from the Science Practical Manual into your Lab Records

- **Record 1: Biology and Chemistry**

1. Finding pH of the following samples by pH paper/ universal indicator (a to f).
2. Performing and observing the following reactions and classifying them into
 - a. Combination reaction
 - b. Decomposition reaction
 - c. Displacement reaction
 - d. Double displacement reaction (i to iv)

3. Observing the action of Zn, Fe, Cu and Al metals on the following solutions (a,b,c,d) and arranging them in decreasing order of reactivity.
 4. Preparing a temporary mount of a leaf peel to show stomata.
 5. Experimentally show that carbon dioxide is given out during respiration.
 6. Identification of different parts of an embryo
- **Record 2: Physics**
 - Expt-1 : Determine the focal length of concave mirror and convex lens
 - Expt-2 : Tracing the path of light passing through a rectangular glass slab
 - Expt-3 : Finding the image distance for varying object distances in case of convex lens
 - Expt-4 : Tracing the path of the rays of light through a glass prism
 - Expt-5 : Ohm's law experiment
 - Expt-6 : Resistors connected in series
 - Expt-7 : Resistors connected in parallel

II. Biology Project Work

Read Chapter 13 (Our Environment) and prepare a powerpoint presentation covering the following topics:

Slide 1: Topic heading, Your name, class and section

Slide 2: Ecosystem and Types of ecosystems

Slide 3: Trophic levels and Flow of energy

Slide 4: Food chains in different ecosystems (Grassland, Aquatic & Forest ecosystems)

Slide 5: Food web and examples

Slide 6: Segregation of waste into Biodegradable and Non-biodegradable waste

Note: Prepare only 6 slides

Take a print and submit the folder to your Biology teacher

Subject - Social Science

Sustainable development is an approach to growth and human development that aims to meet the needs of the present without compromising the ability of future generations to meet their own needs. The aim is to have a society where living conditions and resources

meet human needs without undermining planetary integrity. Sustainable development aims to balance the needs of the economy environment and society.

Prepare one project on the topic “Sustainable Development “of 20 pages.

The guidelines for the project work are given below:

- **Page 1** - Title, Name, Class, Section etc.
- **Page 2**- Index
- **Page 3** - Introduction of the topic- What are resources? Classification of resources.
- **Page 4 to 13**-Topic chosen for the project work, for example soil, water, forests, fossil fuels etc., its uses, and how over-exploitation of the said resource is leading to serious environmental issues and what should be done to conserve the said resource etc.
- **Pages14-18** - Case study
- **Page 19**- Bibliography
- **Page 20**- Teacher’s Remarks
 - The project work should be done on A 4 size sheets.
 - Write only on one side of the page.
 - The project work should be supported with appropriate pictures.

Subject -II Language

- **Telugu**
 - మీ వేసవి సెలవులలో మీరు గడిపిన ఏవైనా ఐదు రోజులకు సంబంధించిన అంశాలను దినచర్య రూపంలో రాసుకుని రండి.
- **Hindi**
 - तेलंगाना व झारखंड राज्यों के दर्शनीय स्थलों के बारे में परियोजना कार्य कीजिए।

Subject -Art

- DRAW A SKETCH /PAINT A TIGER/ANY WILD ANIMAL DRINKING WATER FROM A POND
